

ABSTRACT

For

CELL LOAD CONTROL METHOD AND SYSTEM

A method and system for performing cell load control in a mobile radio network using diversity connections between base stations is described, wherein the efficiency of the resource management in the radio network is improved by transmitting an external message containing a load information of a cell to a radio network controller not serving this cell. The transmission may be performed in response to a corresponding request transmitted by the radio network controller to another radio network controller which serves the corresponding radio cell. When the radio network controller has received the load information of the cell controlled by the other radio network controller, it may use the load information for deciding on a load status of the radio cell. Thereby, the resource management of radio network is more efficient and the load is maintained balanced among different cells, wherein a possible situation of cell congestion and high interference is avoided. Moreover, the active set management efficiency is improved, resulting in a higher connection quality, since the decision algorithm to change the active set is faster and more efficient.